

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES  
MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS**

1. (Currently amended) ~~Hydraulic~~ A hydraulic binder, containing comprising:  
cement as main constituent[[,]];  
~~to which~~ a mixture of a chromate reducer and a carrier material is added  
to the cement, characterized in that wherein the chromate reducer contains  
two iron(II) sulfate components, with the ~~1<sup>st</sup>~~ a first component made of filter  
salt obtained during ~~from the~~ titanium dioxide production, and with the ~~2<sup>nd</sup>~~ a  
second component being green salt[[,]]; and  
a mineral acid regulator ~~which is~~ added to the chromate reducer.
2. (Currently amended) ~~Hydraulic~~ The hydraulic binder according to of claim 1,  
~~characterized in that wherein~~ the mineral acid regulator is added to the filter  
salt.
3. (Currently amended) ~~Hydraulic~~ The hydraulic binder according to of claim 1 or  
2, ~~characterized in that wherein~~ the mineral acid regulator is ground limestone.
4. (Currently amended) ~~Hydraulic~~ The hydraulic binder according to of one of the  
~~claims 1 to 3~~ claim 1, ~~characterized in that wherein~~ the mineral acid regulator  
is added at an amount between 3.0 weight-% and 18 weight-% in relation to  
the amount of filter salt.
5. (Currently amended) ~~Hydraulic~~ The hydraulic binder according to of one of the  
~~claims 1 to 4~~ claim 1, ~~characterized in that wherein~~ the ~~[[1<sup>st</sup>]]~~ first component  
and the ~~[[2<sup>nd</sup>]]~~ second component are mixed at a ratio of 1:1 to 1:5.

6. (Currently amended) ~~Hydraulic~~ The hydraulic binder according to ~~of one of the claims 1 to 5~~ claim 1, characterized in that ~~further comprising~~ a hydrophobic substance in the form of polymeric alcohols is ~~added~~ for addition to the mixture.
7. (Currently amended) ~~Hydraulic~~ The hydraulic binder according to ~~of~~ claim 6, characterized in that wherein the polymeric alcohols are made on the basis of plastic or cellulose, in granular or liquid form.
8. (Currently amended) ~~Hydraulic~~ The hydraulic binder according to ~~of one of the claims 1 to 5~~ claim 1, characterized in that ~~further comprising~~ a hydrophobic substance in the form of a siloxane is ~~added~~ for addition to the mixture.
9. (Currently amended) ~~Hydraulic~~ The hydraulic binder according to ~~of one of the claims 1 to 8~~ claim 1, characterized in that wherein the carrier material is a silica gel.
10. (Currently amended) ~~Hydraulic~~ The hydraulic binder according to ~~of one of the claims 1 to 8~~ claim 1, characterized in that wherein the carrier material is activated alumina.
11. (Currently amended) ~~Hydraulic~~ The hydraulic binder according to ~~of one of the claims 1 to 8~~ claim 1, characterized in that wherein the carrier material is dry sand at a particle size between 0.1 mm and 0.4 mm.
12. (Currently amended) ~~Hydraulic~~ The hydraulic binder according to ~~of one of the claims 1 to 8~~ claim 1, characterized in that wherein the carrier material is a catalyst powder.

13. (Currently amended) ~~Hydraulic~~ The hydraulic binder according to ~~of one of the claims 1 to 12~~ claim 1, characterized in that ~~wherein~~ the mixture contains carrier material in the mixture is at an amount between 5 weight-% and 15 weight-% in relation to the amount of chromate reducer.
14. (Currently amended) ~~Hydraulic~~ The hydraulic binder according to ~~of one of the claims 1 to 13~~ claim 1, characterized in that ~~wherein~~ the mixture is added present at an amount between 0.01 weight-% to 5.0 weight-%, ~~in particular between 0.2 weight-% to 1 weight-%~~ in relation to a content of cement quantity.
15. (Currently amended) ~~Chromate~~ A chromate reducer ~~on the basis of iron(II) sulfate~~, characterized by comprising a mixture of two iron(II) sulfate components and an acid regulator, with the a first iron(II) sulfate component being filter salt obtained during ~~from the~~ titanium dioxide production, and the a second iron(II) sulfate component being green salt.
16. (Currently amended) ~~Chromate~~ The chromate reducer according to ~~of~~ claim 15, characterized in that ~~wherein~~ the mineral acid regulator is a mineral acid regulator ~~ground limestone~~.
17. (Currently amended) ~~Chromate~~ The chromate reducer according to ~~of~~ claim 15 ~~[[or 16]]~~, characterized in that ~~wherein~~ the mineral acid regulator is ~~added~~ present at an amount between 3 weight-% and 18 weight-%, in relation to the amount of filter salt.
18. (Currently amended) ~~Chromate~~ The chromate reducer according to ~~of~~ claim 15 ~~[[to 17]]~~, characterized in that the ~~[[1<sup>st</sup>]]~~ first component and the ~~[[2<sup>nd</sup>]]~~ second components are mixed at a ratio of 1:1 to 1:5.

19. (Currently amended) ~~Use of~~ A method of reducing the content of water-soluble chromate in cement, comprising the steps of:  
preparing a mixture of iron(II) sulfate in the form of filter salt ~~from the obtained during~~ titanium dioxide production, ~~as well as~~ and iron(II) sulfate in the form of green salt and a mineral acid regulator ~~as to produce a chromate reducer for reduction of water-soluble chromate contents in cement;~~ and adding the mixture to cement.
20. (New) The hydraulic binder of claim 1, wherein the mineral acid regulator is added at an amount between 5 weight-% and 15 weight-% in relation to the amount of filter salt.
21. (New) The hydraulic binder of claim 3, wherein the limestone has a particle size of 0 mm to 2 mm.
22. (New) The hydraulic binder of claim 8, wherein a content of the hydrophobic substance in the mixture ranges between 0.5 weight-% to 10 weight-%.
23. (New) The hydraulic binder of claim 8, wherein a content of the hydrophobic substance in the mixture ranges between 1 weight-% and 5 weight-%.
24. (New) The hydraulic binder of claim 1, wherein the mixture is present at an amount between 0.2 weight-% and 1 weight-% in relation to a content of cement.
25. (New) The chromate reducer of claim 15, wherein the acid regulator is ground limestone.

## REMARKS

This Amendment is submitted preliminary to the issuance of an Office Action in the present application.

Applicant has amended claims 1-19 to remove any multiple dependency of the claims and to present claims in proper form and language so as to better encompass the full scope and breadth of the invention, notwithstanding applicant's belief that the claims would have been allowable as originally filed. Accordingly, applicant asserts that no claims have been narrowed to trigger prosecution history estoppel. Claims 20 to 25 have been added to set forth subject matter referred to in the original specification but previously unclaimed. The fee of \$250.00 to cover the surcharge for presenting five claims in excess of twenty is submitted.

In addition, applicant has amended the specification to present it with proper headings and to delete a reference to a particular claim number.

A substitute specification which includes all the foregoing changes to the specification (other than the claims) is enclosed herewith.

When the Examiner takes this application up for action, s/he is requested to take the foregoing into account.

Respectfully submitted,

By: 

Henry M. Feiereisen  
Agent for Applicant  
Reg. No. 31,084

Date: June 9, 2006  
350 Fifth Avenue  
Suite 4714  
New York, N.Y. 10118  
(212) 244-5500  
HMF:af